

ABSTRACT

A Ni alloy layer is formed on a surface of a steel base on the side to be in direct contact with a molten aluminum alloy, and titanium carbide (TiC) is bonded in a particulate state to the surface of the Ni alloy layer. This makes it possible to provide a metal material having materially enhanced melting loss resistance without resorting to conventional techniques, such as the provision of a ceramic coating by PVD or CVD.

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